

Other Animal Food Manufacturing: 2002

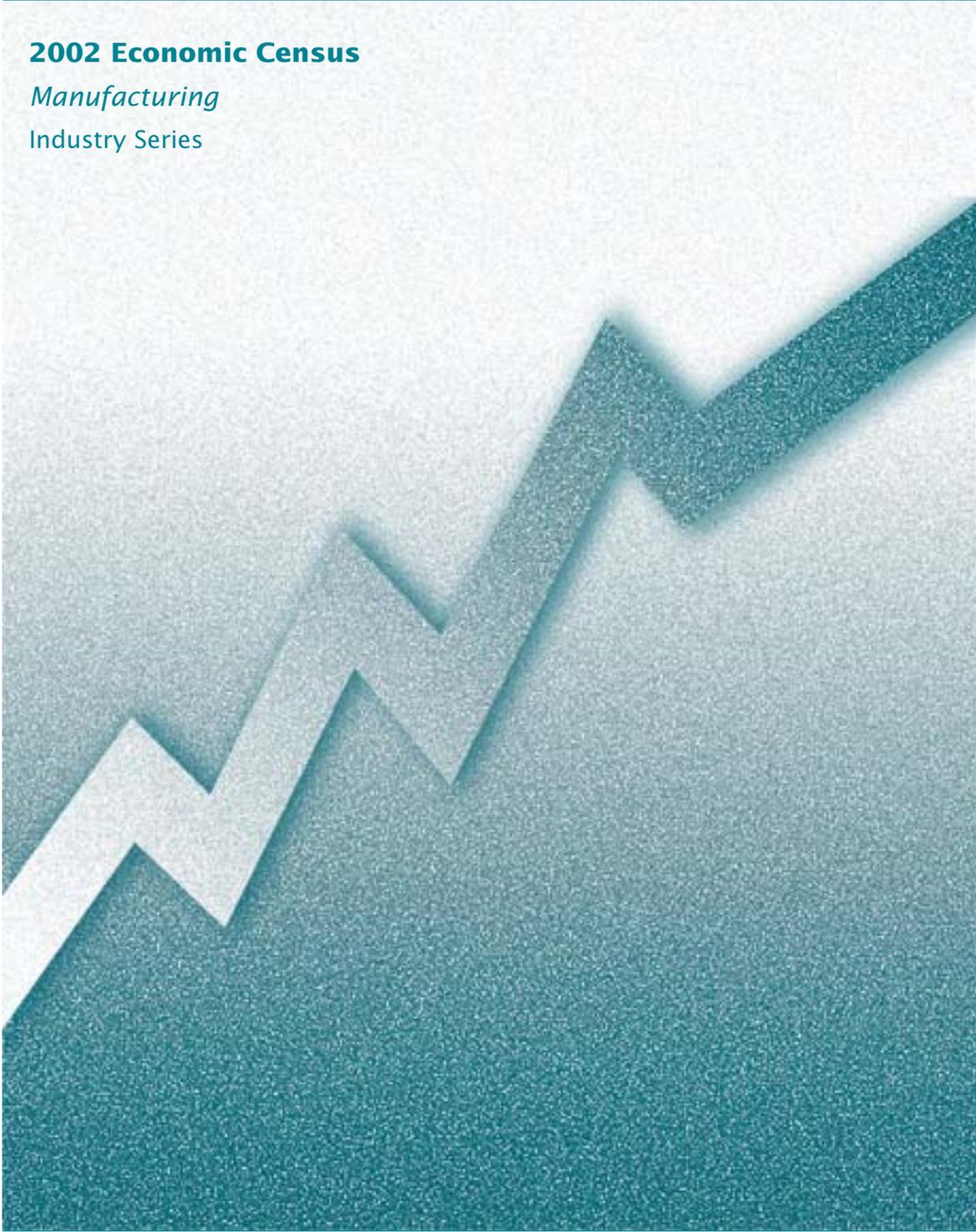
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2002 Economic Census

Manufacturing

Industry Series



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Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com-panies ²	All estab-lish-ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
311119, Other animal food manufacturing	2002.. 1 042	1 567	32 466	1 118 525	20 074	40 427	591 802	4 649 481	12 735 080	17 318 165	348 591
	2001.. N	N	35 403	1 131 861	21 248	44 327	580 273	4 646 485	12 388 080	16 989 997	377 395
	2000.. N	N	34 510	1 086 257	20 856	43 028	566 966	3 622 021	11 937 382	15 483 787	283 903
	1999.. N	N	34 083	1 047 176	21 350	41 443	567 872	3 934 059	12 021 109	15 930 134	393 617
	1998.. N	N	31 449	985 885	19 857	39 675	540 791	4 405 601	13 387 547	17 883 794	389 554
	1997.. 962	1 509	32 672	976 410	19 551	39 194	500 269	4 472 663	14 589 377	19 044 108	287 294

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311119, Other animal food manufacturing												
United States	1	1 567	536	32 466	1 118 525	20 074	40 427	591 802	4 649 481	12 735 080	17 318 165	1348 591
California	1	115	42	2 871	107 931	1 737	3 773	55 894	580 492	1 515 766	2 077 737	17 495
Florida	2	34	10	823	27 600	526	1 083	16 015	78 261	217 949	281 933	6 681
Georgia	2	55	21	1 075	38 815	755	1 418	23 283	127 333	759 794	886 429	9 767
Idaho	1	23	3	286	10 076	205	354	5 773	55 246	83 099	139 243	1 704
Illinois	2	64	20	1 543	53 213	807	1 451	21 047	166 360	345 362	513 533	26 417
Indiana	1	57	21	1 201	39 918	657	1 378	19 936	119 593	398 150	515 842	9 701
Kansas	1	56	16	914	31 057	632	1 320	18 982	153 169	302 378	445 285	5 752
Louisiana	—	19	8	346	10 465	217	452	5 066	10 491	156 413	167 966	1 920
Michigan	2	27	5	326	10 732	200	355	5 295	26 193	132 891	158 290	1 549
Missouri	—	55	18	897	28 253	637	1 255	17 361	132 790	251 858	383 391	13 749
Nebraska	2	49	13	755	25 356	469	868	13 568	122 684	225 762	349 911	5 381
New York	—	41	16	1 114	39 655	697	1 454	21 309	160 471	283 971	443 966	5 454
North Dakota	4	12	3	246	7 877	137	277	3 831	21 357	59 642	80 842	3 900
Ohio	2	56	14	1 189	47 433	702	1 230	23 024	154 419	415 102	567 373	8 413
Pennsylvania	4	91	27	1 817	60 377	1 021	2 120	27 394	131 731	550 568	686 040	19 557
Texas	1	106	44	2 571	88 772	1 647	3 431	50 588	426 323	1 009 519	1 428 127	12 554
Virginia	—	23	9	443	14 299	271	546	8 079	28 827	277 281	301 276	1 774

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
311119, Other animal food manufacturing	
Companies ¹	number.. 1 042
All establishments ²	number.. 1 567
Establishments with 1 to 19 employees.....	number.. 1 031
Establishments with 20 to 99 employees.....	number.. 501
Establishments with 100 employees or more.....	number.. 35
All employees ³	number.. 32 466
Total compensation.....	\$1,000.. 1 374 837
Annual payroll.....	\$1,000.. 1 118 525
Total fringe benefits.....	\$1,000.. 256 312
Production workers, average for year.....	number.. 20 074
Production workers on March 12.....	number.. 19 909
Production workers on May 12.....	number.. 20 061
Production workers on August 12.....	number.. 20 052
Production workers on November 12.....	number.. 20 112
Production worker hours.....	1,000.. 40 427
Production worker wages.....	\$1,000.. 591 802
Total cost of materials.....	\$1,000.. 12 735 080
Materials, parts, containers, packaging, etc., used.....	\$1,000.. 11 188 030
Resales.....	\$1,000.. 1 290 204
Purchased fuels.....	\$1,000.. 100 044
Purchased electricity.....	\$1,000.. 123 965
Contract work.....	\$1,000.. 32 837
Quantity of electricity purchased for heat and power.....	1,000 kWh.. 2 164 320
Quantity of electricity generated less sold for heat and power.....	1,000 kWh.. 873
Total value of shipments.....	\$1,000.. 17 318 165
Primary products value of shipments.....	\$1,000.. 15 613 552
Secondary products value of shipments.....	\$1,000.. 201 795
Total miscellaneous receipts.....	\$1,000.. 1 502 818
Value of resales.....	\$1,000.. 1 361 196
Contract receipts.....	\$1,000.. 26 124
Other miscellaneous receipts.....	\$1,000.. 115 498
Primary products specialization ratio.....	percent.. 99
Value of primary products shipments made in all industries.....	\$1,000.. 16 022 435
Value of primary products shipments made in this industry.....	\$1,000.. 15 613 552
Value of primary products shipments made in other industries.....	\$1,000.. 408 883
Coverage ratio.....	percent.. 97
Value added.....	\$1,000.. 4 649 481
Total inventories, beginning of year.....	\$1,000.. 977 443
Finished goods inventories.....	\$1,000.. 332 350
Work-in-process inventories.....	\$1,000.. 107 097
Materials and supplies inventories.....	\$1,000.. 537 996
Total inventories, end of year.....	\$1,000.. 918 003
Finished goods inventories.....	\$1,000.. 400 084
Work-in-process inventories.....	\$1,000.. 105 759
Materials and supplies inventories.....	\$1,000.. 412 160
Gross value of depreciable assets (acquisition costs) at beginning of year.....	\$1,000.. 14 559 660
Total capital expenditures (new and used).....	\$1,000.. 1348 591
Buildings and other structures (new and used).....	\$1,000.. 169 619
Machinery and equipment (new and used).....	\$1,000.. 1278 972
Automobiles, trucks, etc., for highway use.....	\$1,000.. 128 246
Computers and peripheral data processing equipment.....	\$1,000.. 120 489
All other expenditures for machinery and equipment.....	\$1,000.. 1230 237
Total retirements.....	\$1,000.. 1206 332
Gross value of depreciable assets at end of year.....	\$1,000.. 14 701 919
Depreciation charges during year.....	\$1,000.. 1279 866
Total rental payments.....	\$1,000.. 147 491
Buildings and other structures.....	\$1,000.. 77 203
Machinery and equipment.....	\$1,000.. 70 288
Total other expenses ⁴	\$1,000.. 560 820
Response coverage ratio ⁵	percent.. 76
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 98 319
Communications services ⁴	\$1,000.. 12 925
Legal services ⁴	\$1,000.. 6 971
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 4 563
Advertising and promotional services ⁴	\$1,000.. 27 807
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 5 784
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 7 926
Management consulting and administrative services ⁴	\$1,000.. 9 705
Taxes and license fees ⁴	\$1,000.. 24 837
All other expenses ⁴	\$1,000.. 361 983

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311119, Other animal food manufacturing											
All establishments	1	1 567	32 466	1 118 525	20 074	40 427	591 802	4 649 481	12 735 080	17 318 165	'348 591
Establishments with—											
1 to 4 employees	6	449	987	30 554	626	1 164	16 819	87 811	335 638	427 308	'5 456
5 to 9 employees	2	224	1 506	50 345	997	2 094	31 309	229 236	654 937	867 517	'16 530
10 to 19 employees	1	358	5 077	168 360	3 310	6 763	96 667	962 177	2 161 340	3 102 357	'39 759
20 to 49 employees	1	404	12 289	423 485	7 797	15 621	233 275	1 771 093	5 876 020	7 651 937	'160 645
50 to 99 employees	—	97	6 587	230 809	4 011	8 269	119 097	1 158 614	2 489 179	3 607 831	'87 586
100 to 249 employees	4	29	4 107	139 791	2 267	4 619	64 302	286 082	997 163	1 283 889	'16 794
250 to 499 employees	1	6	1 913	75 181	1 066	1 897	30 333	154 468	220 803	377 326	'21 821
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	426	1 257	40 038	781	1 517	21 735	71 197	354 484	425 479	'7 590

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
311119	Other animal food manufacturing	1 567	32 466	1 118 525	20 074	40 427	591 802	4 649 481	12 735 080	17 318 165	'348 591
3111191	Chicken and turkey feed, supplements, concentrates, and premixes	170	5 064	171 115	3 262	6 279	98 458	1 007 693	4 671 828	5 654 483	'60 282
3111194	Dairy cattle feed, complete	95	3 244	120 887	1 928	4 215	63 352	722 999	1 345 195	2 051 113	'28 156
3111197	Dairy cattle feed supplements, concentrates, and premixes	82	1 697	66 720	1 014	2 087	33 305	300 475	582 704	879 720	'20 722
311119A	Swine feed, complete	46	1 002	35 497	564	1 177	17 547	146 877	415 970	566 151	'8 309
311119D	Swine feed supplements, concentrates, and premixes	46	1 792	65 963	880	1 548	27 359	253 641	506 249	756 108	'29 935
311119G	Beef cattle feed, complete	59	1 871	53 435	1 231	2 599	30 702	236 384	474 266	706 022	'14 928
311119J	Beef cattle feed supplements, concentrates, and premixes	63	1 620	56 075	890	1 530	23 396	235 628	429 189	664 245	'27 454
311119M	Other poultry and livestock feed	68	2 130	73 157	1 425	3 015	42 800	279 900	690 262	968 313	'11 014
311119P	Other prepared animal feeds, including feeding materials and adjuncts	50	1 561	54 753	1 016	2 059	31 063	191 403	470 386	659 632	'16 003
311119R	Specialty feeds	62	2 795	93 019	1 843	3 707	47 773	337 979	607 481	945 946	'51 579

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311119	Other animal food manufacturing	2002.. N 1997.. N	X X	X X	16 022 435 17 657 795
3111191	Chicken and turkey feed, supplements, concentrates, and premixes	2002.. N 1997.. N	X X	X X	5 389 821 8 088 049
31111911	Complete chicken feed, starter-growers and layer-breeders	2002.. N 1997.. N	X X	X X	1 516 629 1 863 724
3111191111	Complete chicken feed, starter-growers	1,000 s tons.. 2002.. 57 1997.. 74	X X	720.2 745.2	791 773 934 826
3111191121	Complete chicken feed, layer-breeders	1,000 s tons.. 2002.. 79 1997.. 84	X X	444.5 948.9	724 856 928 898
31111912	Complete chicken feed, broilers	2002.. N 1997.. N	X X	X X	2 582 658 3 915 465
3111191231	Complete chicken feed, broilers	1,000 s tons.. 2002.. 38 1997.. 41	X X	363.5 957.9	2 582 658 3 915 465
31111913	Turkey feed and chicken and turkey supplements, concentrates, and premixes	2002.. N 1997.. N	X X	X X	1 087 095 1 851 816
3111191341	Turkey feed, complete	1,000 s tons.. 2002.. 37 1997.. 46	X X	500.3 608.6	429 348 710 089
3111191351	Chicken feed supplements and concentrates, starter-growers	1,000 s tons.. 2002.. 10 1997.. 12	X X	S 68.5	20 380 20 579
3111191361	Chicken feed supplements and concentrates, layer-breeders	1,000 s tons.. 2002.. 13 1997.. 20	X X	S D	44 833 D
3111191371	Chicken feed supplements and concentrates, broilers	1,000 s tons.. 2002.. 5 1997.. 8	X X	S D	414 923 D
3111191381	Turkey feed supplements and concentrates	1,000 s tons.. 2002.. 7 1997.. 8	X X	S D	84 805 111 896
3111191391	Chicken feed premixes (feed-base), starter-growers	1,000 s tons.. 2002.. 6 1997.. 17	X X	D S	60 132 5 422
31111913A1	Chicken feed premixes (feed-base), layer-breeders	1,000 s tons.. 2002.. 8 1997.. 3	X X	21.2 S	5 438 D
31111913B1	Chicken feed premixes (feed-base), broilers	1,000 s tons.. 2002.. 3 1997.. 5	X X	D 8.4	9 605 D
31111913C1	Turkey feed premixes (feed-base)	1,000 s tons.. 2002.. 3 1997.. 4	X X	D 3.7	1 255 D
3111191Y	Chicken and turkey feed, supplements, concentrates, and premixes, nsk	2002.. N 1997.. N	X X	X X	203 439 457 044
3111191YVV	Chicken and turkey feed, supplements, concentrates, and premixes, nsk	2002.. N 1997.. N	X X	X X	203 439 457 044
3111194	Dairy cattle feed, complete	2002.. N 1997.. N	X X	X X	1 600 293 1 598 556
31111941	Dairy cattle feed, complete	2002.. N 1997.. N	X X	X X	1 600 293 1 598 556
3111194100	Dairy cattle feed, complete	1,000 s tons.. 2002.. 122 1997.. 143	X X	S 358.0	1 600 293 1 598 556
3111197	Dairy cattle feed supplements, concentrates, and premixes	2002.. N 1997.. N	X X	X X	969 759 905 155
31111971	Dairy cattle feed supplements, concentrates, and premixes	2002.. N 1997.. N	X X	X X	911 404 893 017
3111197111	Dairy cattle feed supplements and concentrates	1,000 s tons.. 2002.. 98 1997.. 102	X X	S 865.2	747 487 733 998
3111197121	Dairy cattle feed premixes (feed-base)	1,000 s tons.. 2002.. 40 1997.. 39	X X	S 308.8	163 917 159 019
3111197Y	Dairy cattle feed supplements, concentrates, and premixes, nsk	2002.. N 1997.. N	X X	X X	58 355 12 138
3111197YVV	Dairy cattle feed supplements, concentrates, and premixes, nsk	2002.. N 1997.. N	X X	X X	58 355 12 138
311119A	Swine feed, complete	2002.. N 1997.. N	X X	X X	534 731 581 813
311119A1	Swine feed, complete	2002.. N 1997.. N	X X	X X	534 731 581 813
311119A100	Swine feed, complete	1,000 s tons.. 2002.. 107 1997.. 124	X X	170.3 052.1	534 731 581 813
311119D	Swine feed supplements, concentrates, and premixes	2002.. N 1997.. N	X X	X X	570 403 981 825
311119D1	Swine feed supplements and concentrates and premixes	2002.. N 1997.. N	X X	X X	516 158 970 527
311119D111	Swine feed supplements and concentrates	1,000 s tons.. 2002.. 55 1997.. 74	X X	S 1 778.0	357 493 696 412
311119D121	Swine feed premixes (feed-base)	1,000 s tons.. 2002.. 34 1997.. 53	X X	S 396.1	158 665 274 115
311119DY	Swine feed supplements, concentrates, and premixes, nsk	2002.. N 1997.. N	X X	X X	54 245 11 298
311119DYVV	Swine feed supplements, concentrates, and premixes, nsk	2002.. N 1997.. N	X X	X X	54 245 11 298
311119G	Beef cattle feed, complete	2002.. N 1997.. N	X X	X X	618 283 611 301
311119G1	Beef cattle feed, complete	2002.. N 1997.. N	X X	X X	618 283 611 301
311119G100	Beef cattle feed, complete	1,000 s tons.. 2002.. 113 1997.. 122	X X	S 675.6	618 283 611 301
311119J	Beef cattle feed supplements, concentrates, and premixes	2002.. N 1997.. N	X X	X X	622 742 616 961
311119J1	Beef cattle feed supplements and concentrates and premixes	2002.. N 1997.. N	X X	X X	615 920 611 317
311119J111	Beef cattle feed supplements and concentrates	1,000 s tons.. 2002.. 81 1997.. 84	X X	S 2 224.3	528 396 523 749

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311119	Other animal food manufacturing—Con.				
311119J	Beef cattle feed supplements, concentrates, and premixes—Con.				
311119J1	Beef cattle feed supplements and concentrates and premixes—Con.				
311119J121	Beef cattle feed premixes (feed-base) 1,000 s tons	2002 27 1997 34	X X	S 280.2	87 524 87 568
311119JY	Beef cattle feed supplements, concentrates, and premixes, nsk	2002 N 1997 N	X X	X X	6 822 5 644
311119JYVW	Beef cattle feed supplements, concentrates, and premixes, nsk	2002 N 1997 N	X X	X X	6 822 5 644
311119M	Other poultry and livestock feed	2002 N 1997 N	X X	X X	796 869 674 341
311119M1	Other poultry and livestock feed	2002 N 1997 N	X X	X X	789 961 621 276
311119M111	Other poultry complete feed (duck, etc.) 1,000 s tons	2002 17 1997 16	X X	\$284.6 \$186.4	57 404 44 498
311119M121	Other poultry feed supplements and concentrates (duck, etc.) 1,000 s tons	2002 5 1997 5	X X	D D	D D
311119M131	Other poultry feed premixes (feed-base) (duck, etc.) 1,000 s tons	2002 2 1997 2	X X	D D	D D
311119M141	Horse and mule complete feed 1,000 s tons	2002 85 1997 89	X X	S 1 262.1	430 904 296 698
311119M151	Other livestock (sheep, etc.) complete feed 1,000 s tons	2002 52 1997 44	X X	S 637.1	152 899 174 821
311119M161	Horse and mule feed supplements and concentrates 1,000 s tons	2002 26 1997 15	X X	S \$56.1	18 269 16 956
311119M171	Other livestock (sheep, etc.) feed supplements and concentrates 1,000 s tons	2002 28 1997 25	X X	\$78.4 \$41.3	17 903 13 501
311119M181	Horse and mule feed premixes (feed-base) 1,000 s tons	2002 10 1997 8	X X	\$10.1 X	6 329 4 261
311119M191	Other livestock (sheep, etc.) feed premixes (feed-base) 1,000 s tons	2002 10 1997 9	X X	S S	57 061 14 595
311119MY	Other poultry and livestock feed, nsk	2002 N 1997 N	X X	X X	6 908 53 065
311119MYVW	Other poultry and livestock feed, nsk	2002 N 1997 N	X X	X X	6 908 53 065
311119P	Other prepared animal feeds, including feeding materials and adjuncts	2002 N 1997 N	X X	X X	798 414 651 735
311119P1	Other prepared animal feeds, including feeding materials and adjuncts	2002 N 1997 N	X X	X X	785 566 648 972
311119P111	Grain animal feed, ground (including custom ground, rolled, pulverized, chopped, or crimped), excluding cornmeal 1,000 sacks (cwt)	2002 44 1997 54	X X	S S	264 726 254 020
311119P121	Mineral mixture animal feed, including oyster shells prepared for feed use mil lb.	2002 34 1997 30	X X	\$477.5 467.3	125 998 94 206
311119P131	Dehydrated alfalfa meal animal feed 1,000 s tons	2002 22 1997 22	X X	S \$314.9	47 531 37 621
311119P141	Sun cured and cubed alfalfa meal animal feed 1,000 s tons	2002 8 1997 8	X X	S 96.4	13 444 13 061
311119P151	Other prepared animal feed 1,000 s tons	2002 28 1997 35	X X	S S	333 867 250 064
311119PY	Other prepared animal feeds, including feeding materials and adjuncts, nsk	2002 N 1997 N	X X	X X	12 848 2 763
311119PYVW	Other prepared animal feeds, including feeding materials and adjuncts, nsk	2002 N 1997 N	X X	X X	12 848 2 763
311119R	Specialty feeds	2002 N 1997 N	X X	X X	987 703 N
311119R1	Specialty feed	2002 N 1997 N	X X	X X	987 703 N
311119R121	Other specialty pet food, except dog and cat mil lb.	2002 16 1997 N	X X	\$395.0 N	169 275 N
311119R131	Specialty laboratory (mouse, guinea pig, etc.) feed 1,000 s tons	2002 8 1997 N	X X	S N	20 352 N
311119R141	Specialty fur animal (mink, fox, etc.) feed 1,000 s tons	2002 7 1997 N	X X	S N	21 776 N
311119R151	Specialty bird (wild, tame, pigeon, game) feed 1,000 s tons	2002 43 1997 N	X X	S N	305 383 N
311119R161	Specialty rabbit feed 1,000 s tons	2002 30 1997 N	X X	\$99.6 N	26 225 N
311119R171	Specialty fish feed 1,000 s tons	2002 23 1997 N	X X	\$730.8 N	202 356 N
311119R181	Other specialty feed 1,000 s tons	2002 33 1997 N	X X	S N	242 336 N
311119RY	Specialty feeds, nsk	2002 N 1997 N	X X	X X	— N
311119RYVW	Specialty feeds, nsk	2002 N 1997 N	X X	X X	— N
311119W	Other animal food manufacturing, nsk, total	2002 N 1997 N	X X	X X	3 133 417 2 075 189
311119WY	Other animal food manufacturing, nsk, total	2002 N 1997 N	X X	X X	3 133 417 2 075 189
311119WYVW	Other animal food manufacturing, nsk, for nonadministrative-record establishments	2002 N 1997 N	X X	X X	2 735 946 1 707 061
311119WYVW	Other animal food manufacturing, nsk, for administrative-record establishments	2002 N 1997 N	X X	X X	397 471 368 128

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3111191	Chicken and turkey feed, supplements, concentrates, and premixes	
	United States	2002 .. 5 389 821
	1997 .. 8 088 049
	California	2002 .. 280 248
	1997 .. 478 721
	Georgia	2002 .. 597 658
	1997 .. 841 019
	Illinois	2002 .. 18 000
	1997 .. 82 855
	Indiana	2002 .. 117 801
	1997 .. 109 000
	New York	2002 .. 22 031
	1997 .. 10 680
	Ohio	2002 .. 51 663
.....	1997 .. 61 344	
Pennsylvania	2002 .. 140 498	
.....	1997 .. 126 492	
Texas	2002 .. 473 964	
.....	1997 .. 869 010	
Virginia	2002 .. 212 533	
.....	1997 .. 428 223	
3111194	Dairy cattle feed, complete	
	United States	2002 .. 1 600 293
	1997 .. 1 598 556
	California	2002 .. 569 146
	1997 .. 430 232
	Florida	2002 .. 49 038
	1997 .. 87 987
	Georgia	2002 .. 29 230
	1997 .. 46 150
	Illinois	2002 .. 38 567
	1997 .. 42 319
	Indiana	2002 .. 14 808
	1997 .. 50 004
	Kansas	2002 .. 4 012
	1997 .. 31 950
	Michigan	2002 .. 22 178
	1997 .. 8 876
	Missouri	2002 .. 19 844
	1997 .. 36 978
Nebraska	2002 .. 2 319	
.....	1997 .. 5 276	
New York	2002 .. 116 679	
.....	1997 .. 92 820	
Ohio	2002 .. 34 945	
.....	1997 .. 42 604	
Pennsylvania	2002 .. 97 827	
.....	1997 .. 77 832	
Texas	2002 .. 90 061	
.....	1997 .. 149 431	
Virginia	2002 .. 22 875	
.....	1997 .. 39 072	
3111197	Dairy cattle feed supplements, concentrates, and premixes	
	United States	2002 .. 969 759
	1997 .. 905 155
	California	2002 .. 148 702
	1997 .. 102 013
	Florida	2002 .. 9 110
	1997 .. 8 888
	Georgia	2002 .. 9 277
	1997 .. 12 563
	Illinois	2002 .. 25 870
	1997 .. 25 289
	Indiana	2002 .. 32 529
	1997 .. 35 139
	Kansas	2002 .. 3 930
	1997 .. 6 205
	Michigan	2002 .. 16 796
	1997 .. 25 868
	Missouri	2002 .. 12 135
	1997 .. 10 397
Nebraska	2002 .. 16 521	
.....	1997 .. 12 252	
Ohio	2002 .. 38 020	
.....	1997 .. 37 219	
Pennsylvania	2002 .. 39 512	
.....	1997 .. 49 407	
Texas	2002 .. 76 221	
.....	1997 .. 64 770	
Virginia	2002 .. 8 316	
.....	1997 .. 7 283	
311119A	Swine feed, complete	
	United States	2002 .. 534 731
	1997 .. 581 813
	California	2002 .. 12 431
	1997 .. 7 185
	Florida	2002 .. 2 251
	1997 .. N
	Georgia	2002 .. 10 198
	1997 .. 12 942
	Illinois	2002 .. 46 396
	1997 .. 67 041
	Indiana	2002 .. 12 842
	1997 .. 39 035
Kansas	2002 .. 2 194	
.....	1997 .. 15 925	
Michigan	2002 .. 13 837	

See footnotes at end of table.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997—Con.

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
311119A	Swine feed, complete—Con.	
	United States—Con.	
		1997.. N
	Missouri	2002.. 35 223
		1997.. 29 913
	Nebraska	2002.. 45 708
		1997.. 50 126
	Ohio	2002.. 27 222
		1997.. 14 176
	Pennsylvania	2002.. 10 086
	1997.. 12 909	
Texas	2002.. 3 990	
	1997.. 8 591	
311119D	Swine feed supplements, concentrates, and premixes	
	United States	2002.. 570 403
		1997.. 981 825
	Illinois	2002.. 102 784
		1997.. 105 484
	Indiana	2002.. 34 081
		1997.. 87 047
	Michigan	2002.. 10 355
		1997.. 8 314
	Missouri	2002.. 27 605
	1997.. 20 094	
Nebraska	2002.. 13 918	
	1997.. 100 391	
311119G	Beef cattle feed, complete	
	United States	2002.. 618 283
		1997.. 611 301
	California	2002.. 67 791
		1997.. 17 928
	Florida	2002.. 15 702
		1997.. 37 016
	Indiana	2002.. 7 944
		1997.. 4 244
	Kansas	2002.. 105 569
	1997.. 121 446	
Missouri	2002.. 21 420	
	1997.. 27 504	
Nebraska	2002.. 29 190	
	1997.. 22 238	
Ohio	2002.. 2 338	
	1997.. 5 277	
Texas	2002.. 157 710	
	1997.. 133 997	
311119J	Beef cattle feed supplements, concentrates, and premixes	
	United States	2002.. 622 742
		1997.. 616 961
	California	2002.. 5 247
		1997.. 6 660
	Florida	2002.. 9 576
		1997.. N
	Illinois	2002.. 47 036
		1997.. 17 902
	Indiana	2002.. 11 112
	1997.. 16 297	
Kansas	2002.. 80 017	
	1997.. 112 345	
Missouri	2002.. 17 210	
	1997.. 15 584	
Nebraska	2002.. 75 201	
	1997.. 70 594	
North Dakota	2002.. 7 327	
	1997.. N	
Ohio	2002.. 105 748	
	1997.. 7 875	
Texas	2002.. 64 039	
	1997.. 128 649	
311119M	Other poultry and livestock feed	
	United States	2002.. 796 869
		1997.. 674 341
	California	2002.. 46 209
		1997.. 31 703
	Florida	2002.. 40 308
		1997.. 27 838
	Georgia	2002.. 61 082
		1997.. 78 523
	Illinois	2002.. 22 324
	1997.. 37 622	
Indiana	2002.. 50 521	
	1997.. 26 169	
Kansas	2002.. 12 570	
	1997.. 23 932	
Michigan	2002.. 3 587	
	1997.. 6 825	
Missouri	2002.. 24 298	
	1997.. 11 854	
Nebraska	2002.. 13 583	
	1997.. 2 768	
New York	2002.. 21 898	
	1997.. 26 863	
Ohio	2002.. 23 108	
	1997.. 28 598	
Pennsylvania	2002.. 37 714	
	1997.. 53 314	

See footnotes at end of table.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997—Con.

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
311119M	Other poultry and livestock feed—Con.		
	United States—Con.		
	Texas	2002.. 113 017	
	Virginia	1997.. 84 727	
311119P	Other prepared animal feeds, including feeding materials and adjuncts	2002.. 6 620	
		1997.. 6 557	
		United States	2002.. 798 414
		California	1997.. 651 735
		Illinois	2002.. 65 275
		Indiana	1997.. 120 639
		Kansas	2002.. 17 740
		Nebraska	1997.. 27 959
		New York	2002.. 6 233
		Ohio	1997.. 10 984
		Pennsylvania	2002.. 11 507
		Texas	1997.. 14 724
		Texas	2002.. 14 210
		Texas	1997.. 25 872
		Texas	2002.. 26 189
		Texas	1997.. 10 645
311119R	Specialty feeds	2002.. 27 105	
		1997.. 16 190	
		United States	2002.. 35 065
		California	1997.. 6 566
		Illinois	2002.. 30 625
		Indiana	1997.. 34 741
		Kansas	2002.. 987 703
		Nebraska	1997.. N
		New York	2002.. 53 623
		Ohio	1997.. N
		Pennsylvania	2002.. 14 664
		Texas	1997.. N
		Texas	2002.. 79 419
		Texas	1997.. N
		Texas	2002.. 12 826
		Texas	1997.. N
Texas	2002.. 29 600		
Texas	1997.. N		
Texas	2002.. 21 188		
Texas	1997.. N		
Texas	2002.. 84 677		
Texas	1997.. N		
Texas	2002.. 23 645		
Texas	1997.. N		

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311119	Other animal food manufacturing		
0090001	Total materials	X	11 188 030
11114001	Wheat 1,000 s tons	2 016.1	13 184 849
11115001	Field corn, whole grain mil lb.	S	171 493
11119901	Oats 1,000 s tons	55 018.1	141 556
11119903	Barley 1,000 s tons	S	2 681 746
11119905	Sorghum 1,000 s tons	S	3 109 926
31121101	Wheat flour 1,000 cwt.	381.6	62 797
31121115	Wheat millfeed and screenings 1,000 s tons	552.0	80 092
31122207	Soybean millfeed and screenings 1,000 s tons	835.5	90 892
31121135	Other millfeed and screenings 1,000 s tons	749.6	95 804
31121137	Hominy feed and corn meal 1,000 s tons	227.7	21 179
31122109	Corn gluten feed and meal 1,000 s tons	S	157 140
31111900	Alfalfa meal (excluding alfalfa hay) 1,000 s tons	1 979.7	16 517
31131002	Sugar, cane and beet (sugar solids), excluding molasses 1,000 s tons	S	43 597
31131007	Molasses 1,000 s tons	1 225.9	97 004
31122307	Cottonseed cake and meal 1,000 s tons	S	291 952
31100017	Fats and oils 1,000 s tons	2 100.5	272 217
31161303	Meat meal and tankage 1,000 s tons	988.5	178 975
31161305	Poultry feather and byproducts meal 1,000 s tons	549.9	59 193
31170000	Fish meal and solubles (dry weight equivalent) 1,000 s tons	S	190 965
31212000	Brewers' and distillers' grains 1,000 s tons	938.2	100 861
31122205	Soybean cake and meal 1,000 s tons	198.2	26 017
32518827	Calcium 1,000 s tons	529.3	65 494
32518837	Phosphorus, elemental (technical) 1,000 s tons	424.0	82 844
31194205	Salt 1,000 s tons	229.4	36 786
32541109	Vitamins 1,000 s tons	274.7	45 275
32541111	Drugs and antibiotics 1,000 s tons	15.9	7 637
32541105	Other microingredients (including trace minerals) 1,000 s tons	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard 1,000 s tons	847.4	93 657
001900A1	Packaging paper and plastics film, coated and laminated 1,000 s tons	767.6	77 357
31491101	Textile bags (burlap, cotton, polypropylene, etc.) 1,000 s tons	562.7	82 670
001900A3	Bags (plastics, foil, and coated paper) 1,000 s tons	S	193 416
32222401	Bags (uncoated paper and multiwall) 1,000 s tons	1 092.6	272 385
33243101	Metal cans, lids, and ends 1,000 s tons	1 150.5	380 333
00970099	All other materials and components, parts, containers, and supplies 1,000 s tons	787.9	158 158
00971000	Materials, ingredients, containers, and supplies, nsk 1,000 s tons	1 130.3	318 783
001900A1	Packaging paper and plastics film, coated and laminated 1,000 s tons	1 091.0	206 362
31491101	Textile bags (burlap, cotton, polypropylene, etc.) 1,000 s tons	947.2	317 502
001900A3	Bags (plastics, foil, and coated paper) 1,000 s tons	186.9	73 615
32222401	Bags (uncoated paper and multiwall) 1,000 s tons	283.3	126 557
33243101	Metal cans, lids, and ends 1,000 s tons	616.7	66 396
00970099	All other materials and components, parts, containers, and supplies 1,000 s tons	589.6	84 182
00971000	Materials, ingredients, containers, and supplies, nsk 1,000 s tons	8 679.7	1 488 686
001900A1	Packaging paper and plastics film, coated and laminated 1,000 s tons	9 580.7	2 495 334
31491101	Textile bags (burlap, cotton, polypropylene, etc.) 1,000 s tons	1 408.9	44 686
001900A3	Bags (plastics, foil, and coated paper) 1,000 s tons	S	51 151
32222401	Bags (uncoated paper and multiwall) 1,000 s tons	478.4	126 103
33243101	Metal cans, lids, and ends 1,000 s tons	750.1	186 767
00970099	All other materials and components, parts, containers, and supplies 1,000 s tons	527.0	25 856
00971000	Materials, ingredients, containers, and supplies, nsk 1,000 s tons	S	38 852
001900A1	Packaging paper and plastics film, coated and laminated 1,000 s tons	707.8	131 249
31491101	Textile bags (burlap, cotton, polypropylene, etc.) 1,000 s tons	S	214 439
001900A3	Bags (plastics, foil, and coated paper) 1,000 s tons	X	173 608
32222401	Bags (uncoated paper and multiwall) 1,000 s tons	X	379 116
33243101	Metal cans, lids, and ends 1,000 s tons	X	203 485
00970099	All other materials and components, parts, containers, and supplies 1,000 s tons	X	368 890
00971000	Materials, ingredients, containers, and supplies, nsk 1,000 s tons	X	297 101
001900A1	Packaging paper and plastics film, coated and laminated 1,000 s tons	X	354 149
31491101	Textile bags (burlap, cotton, polypropylene, etc.) 1,000 s tons	X	19 263
001900A3	Bags (plastics, foil, and coated paper) 1,000 s tons	X	9 393
32222401	Bags (uncoated paper and multiwall) 1,000 s tons	X	27 792
33243101	Metal cans, lids, and ends 1,000 s tons	X	45 126
00970099	All other materials and components, parts, containers, and supplies 1,000 s tons	X	29 973
00971000	Materials, ingredients, containers, and supplies, nsk 1,000 s tons	X	8 377
001900A1	Packaging paper and plastics film, coated and laminated 1,000 s tons	X	18 860
31491101	Textile bags (burlap, cotton, polypropylene, etc.) 1,000 s tons	X	39 600
001900A3	Bags (plastics, foil, and coated paper) 1,000 s tons	X	56 749
32222401	Bags (uncoated paper and multiwall) 1,000 s tons	X	65 031
33243101	Metal cans, lids, and ends 1,000 s tons	X	40 173
00970099	All other materials and components, parts, containers, and supplies 1,000 s tons	X	567
00971000	Materials, ingredients, containers, and supplies, nsk 1,000 s tons	X	1 880 176
001900A1	Packaging paper and plastics film, coated and laminated 1,000 s tons	X	942 793
31491101	Textile bags (burlap, cotton, polypropylene, etc.) 1,000 s tons	X	1 987 231
001900A3	Bags (plastics, foil, and coated paper) 1,000 s tons	X	2 042 991

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.